LISTING OF THE CLAIMS

1.   (Original)   A positioning system for determination a position of wireless station that is an object of positioning using measuring a communication situation between a said wireless station that is an object of positioning and each of a plurality of wireless stations other than said wireless station that is an object of positioning, characterized in including:

a database having identification information of said wireless station that is an object of positioning, or identification information of said plurality of said wireless stations and necessary measurement number-of-times conclusion information for drawing a conclusion on a measurement number of times stored correspondingly to each other, said necessary measurement number-of-times conclusion information derived from a characteristic of said wireless station that is an object of positioning, or a characteristic of said plurality of said wireless stations, or a characteristic of a combination of said wireless station that is an object of positioning and said plurality of said wireless stations; and

a means for receiving identification information of said wireless station that is an object of positioning, or identification information of said plurality of said wireless stations, for retrieving necessary measurement number-of-times conclusion information corresponding to this identification information from said database, and for deciding the measurement number of times based upon this necessary measurement number-of-times conclusion information.

2.-22.   (Canceled)

23.   (Original)   A positioning server for deciding a measurement number of times of a communication situation in a positioning system for measuring a communication situation between a wireless station that is an object of positioning and each of a plurality of wireless stations other than said wireless station that is an object of positioning, thereby to specify a position of said wireless station that is an object of positioning, characterized in including:

a database having identification information of said wireless station that is an object of positioning, or identification information of said plurality of said wireless stations and necessary measurement number-of-times conclusion information for drawing a conclusion on the

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measurement number of times stored correspondingly to each other, said necessary measurement number-of-times conclusion information derived from a characteristic of said wireless station that is an object of positioning, or a characteristic of said plurality of said wireless stations, or a characteristic of a combination of said wireless station that is an object of positioning and said plurality of said wireless stations; and

a means for receiving identification information of said wireless station that is an object of positioning, or identification information of said plurality of said wireless stations, for retrieving necessary measurement number-of-times conclusion information corresponding to this identification information from said database, and for deciding the measurement number of times based upon this necessary measurement number-of-times conclusion information.

24.   (Original)   A positioning server for deciding a measurement number of times of a communication situation in a positioning system for measuring a communication situation between a wireless station that is an object of positioning and each of a plurality of wireless stations other than said wireless station that is an object of positioning, thereby to specify a position of said wireless station that is an object of positioning, characterized in including:

a database having a first table, said first table having identification information of said wireless station and group information, being information associated with a group of which a characteristic resembles that of the wireless station, caused to correspond to each other, and a second table filed, said second table having said group information and necessary measurement number-of-times conclusion information caused to correspond to each other, filed; and

a means for receiving identification information of said wireless station that is an object of positioning, or identification information of said plurality of said wireless stations, for retrieving group information corresponding to this identification information from said first table, for retrieving necessary measurement number-of-times conclusion information corresponding to this group information from said second table, and for deciding the measurement number of times based upon this necessary measurement number-of-times conclusion information.

25.-37. (Canceled)

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38. (Previously presented)　A computer readable medium containing a program for causing an information processing unit to perform a process of deciding a measurement number of times of a communication situation in a positioning system for measuring a communication situation between a wireless station that is an object of positioning and each of a plurality of wireless stations other than said wireless station that is an object of positioning, thereby to specify a position of said wireless station that is an object of positioning, characterized in causing said information processing unit to function as a means for receiving identification information of said wireless station that is an object of positioning, or identification information of said plurality of said wireless stations, for retrieving necessary measurement number-of-times conclusion information corresponding to the received identification information from a database having identification information of said wireless station that is an object of positioning, or identification information of said plurality of said wireless stations and necessary measurement number-of-times conclusion information for drawing a conclusion on the measurement number of times stored correspondingly to each other, said necessary measurement number-of-times conclusion information derived from a characteristic of said wireless station that is an object of positioning, or a characteristic of said plurality of said wireless stations, or a characteristic of a combination of said wireless station that is an object of positioning and said plurality of said wireless stations, and for deciding the measurement number of times based upon this necessary measurement number-of-times conclusion information.

39. (Previously presented)　A computer readable medium containing a program for causing an information processing unit to perform a process of deciding a measurement number of times of a communication situation in a positioning system for measuring a communication situation between a wireless station that is an object of positioning and each of a plurality of wireless stations other than said wireless station that is an object of positioning, thereby to specify a position of said wireless station that is an object of positioning, characterized in causing said information processing unit to function as a means for receiving identification information of said wireless station that is an object of positioning, or identification information of said plurality of said wireless stations, for retrieving group information corresponding to this identification information from a table having said identification information of said wireless station and group information,

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being information associated with a group of which a characteristic resembles that of the wireless station, caused to correspond to each other, retrieving necessary measurement number-of-times conclusion information corresponding to this group information from a table having said group information and the necessary measurement number-of-times conclusion information caused to correspond to each other, and for deciding the measurement number of times based upon this necessary measurement number-of-times conclusion information.

40.   (Previously presented)   The computer readable medium containing a program according to claim 39, characterized in that said group information is at least one of a model number of the wireless station, a model number of an IC for wireless communication mounted onto the wireless station, manufacturer information of an IC for wireless communication mounted onto the wireless station, and wireless communication technique information to which the IC for wireless communication mounted onto the wireless station corresponds:

41.   (Previously presented)   The computer readable medium containing a program according to claim 39, characterized in causing said information processing unit to function as a means for acquiring MIB information, thereby to acquire said group information.

42.   (Previously presented)   The computer readable medium containing a program according to claim 39, characterized in that said necessary measurement number-of-times conclusion information is a measurement number of times.

43.   (Previously presented)   The computer readable medium containing a program according to claim 39, characterized in that said necessary measurement number-of-times conclusion information is a standard deviation of a dispersion in an internal process delay in the wireless station that is an object of positioning or the other wireless station.

44.   (Previously presented)   The computer readable medium containing a program according to claim 39, characterized in causing the information processing unit to function as a means for updating the necessary measurement number-of-times conclusion information of the database based upon an acquired measurement result.

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45. (Previously presented)   The computer readable medium containing a program according to claim 39, characterized in causing the information processing unit to function as a means for performing an operational process weighted with a total measurement number of times for the necessary measurement number-of-times conclusion information and a measurement result, thereby to update the necessary measurement number-of-times conclusion information of the database.

46. (Previously presented)   The computer readable medium containing a program according to claim 39, characterized in causing the information processing unit to function as a means for performing an operational process weighted with a total measurement number of times for the necessary measurement number-of-times conclusion information, an acquired measurement result, and a past measurement result, thereby to update the necessary measurement number-of-times conclusion information of the database.

47. (Previously presented)   The computer readable medium containing a program according to claim 39, characterized in that said measurement of said communication situation is a measurement of a radio wave propagation time.

48. (Previously presented)   The computer readable medium containing a program according to claim 39, characterized in that the information processing unit has a connection with each of said plurality of said wireless stations via a network.

49. (Previously presented)   The computer readable medium containing a program according to claim 39, characterized in that said necessary measurement number-of-times conclusion information is information prepared by taking into consideration a characteristic of the wireless station that is an object of positioning, or a characteristic of the wireless station other than the wireless station that is an object of positioning, or a characteristic of a combination of said wireless station that is an object of positioning and the wireless station other than said wireless station that is an object of positioning, and a positioning quality that is requested.

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50.   (Previously presented)   The computer readable medium containing a program according to claim 49, characterized in that said quality of said positioning is positioning precision information.

51.   (Previously presented)   The computer readable medium containing a program according to claim 49, characterized in that said quality of said positioning is use application information.

52.   (Previously presented)   The computer readable medium containing a program according to claim 39, characterized in that said identification information of said wireless station is at least one of a person name using the wireless station, a personal ID of a person using the wireless station, an appliance name registered to a wireless station appliance, an MAC address of the wireless station, an IP address of the wireless station, and an arbitrary ID allocated to the wireless station.

53. – 79. (Canceled)